

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P637649

Luminaire Tested: GWS-SA4D-730-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-730-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18675.1 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

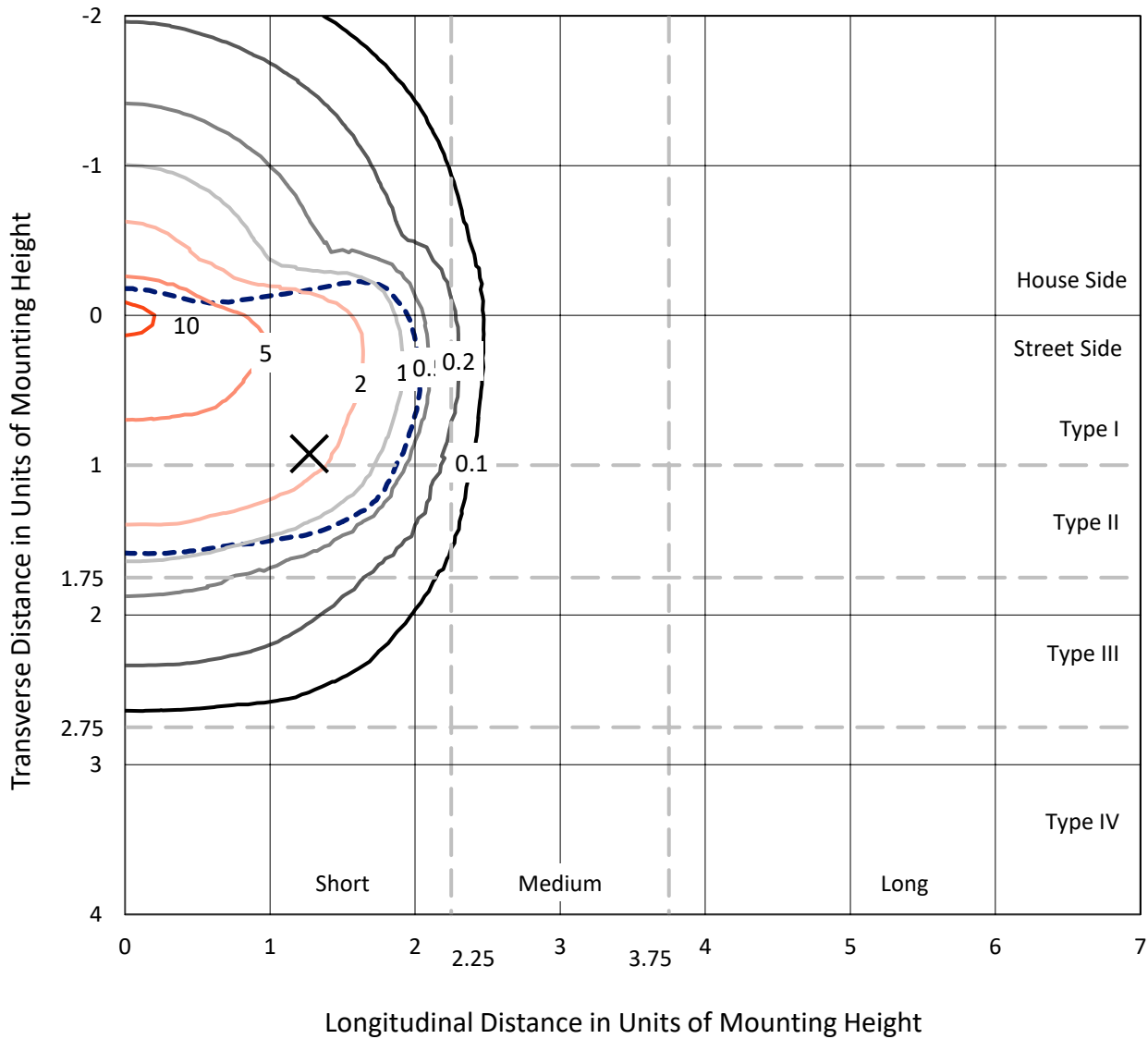
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637649
 CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

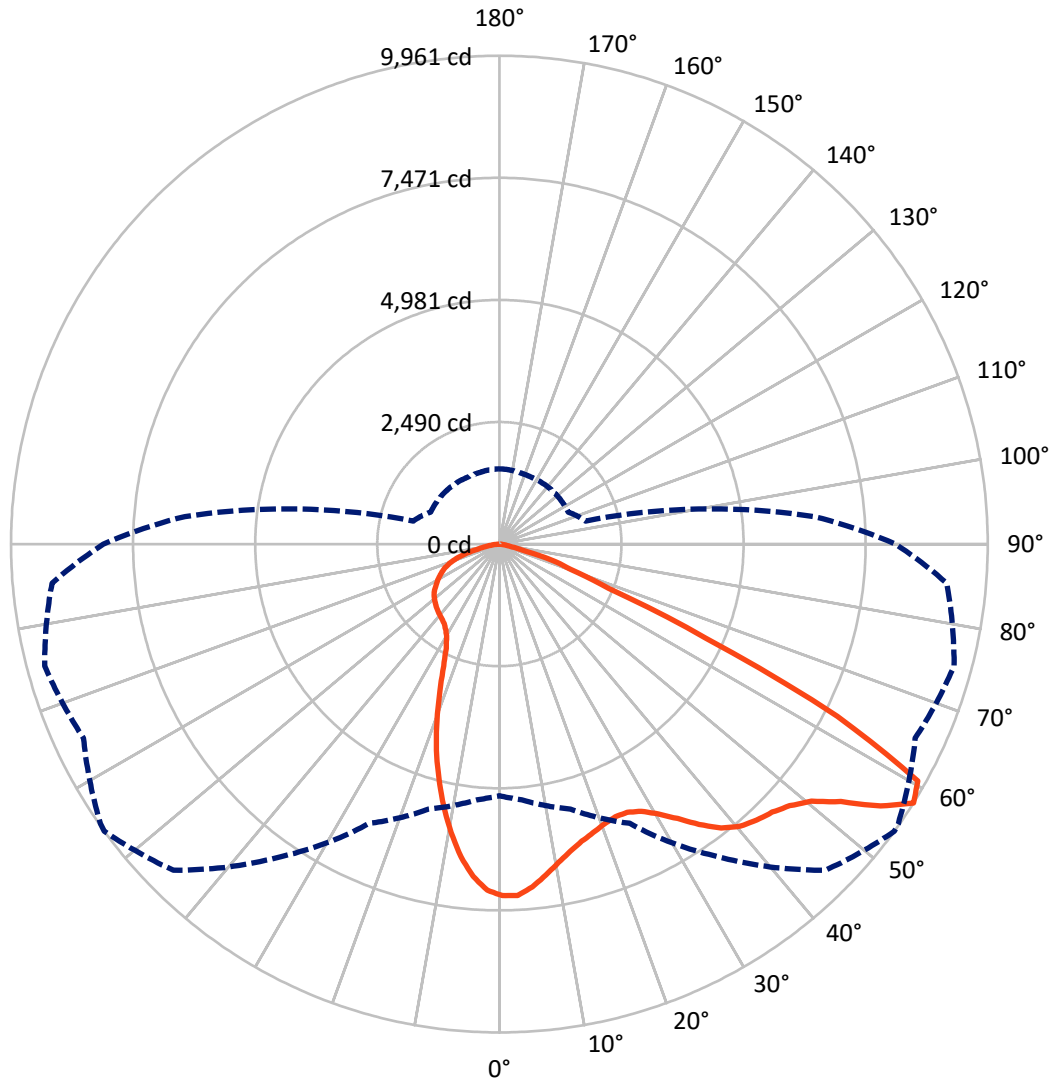
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

REPORT NUMBER: P637649
CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637649

CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

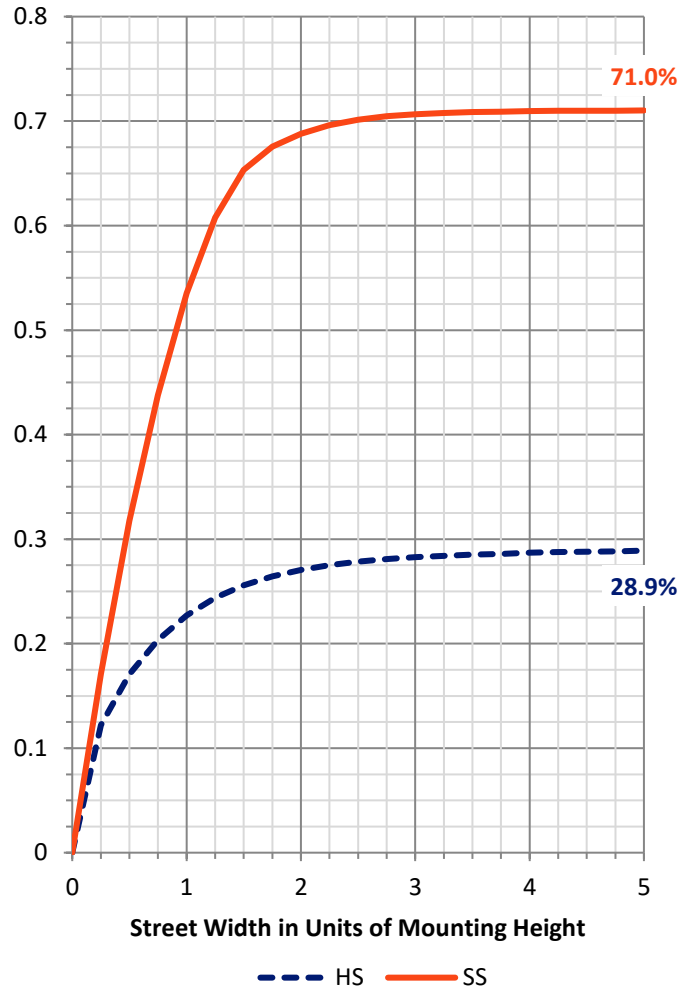
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5429.1	0.0	5429.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	13246.0	0.0	13246.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	18675.1	0.0	18675.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.2	3.4
10°-20°	1503.8	8.1
20°-30°	2081.0	11.1
30°-40°	2891.6	15.5
40°-50°	3818.9	20.4
50°-60°	4538.2	24.3
60°-70°	2514.2	13.5
70°-80°	626.1	3.4
80°-90°	71.2	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18675.1	100.0
0°-180°	18675.1	100.0

Coefficient of Utilization



REPORT NUMBER: P637649

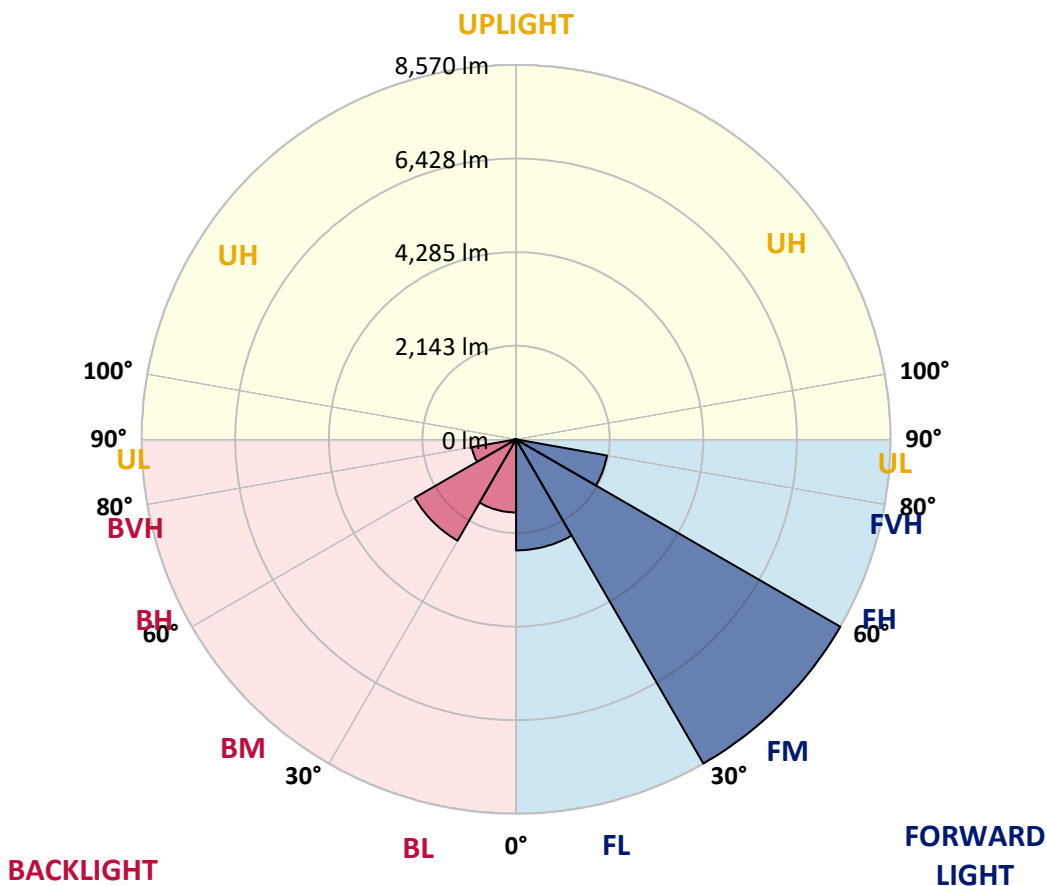
CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2542.0	13.6			
FM (30°-60°)	8570.3	45.9			
FH (60°-80°)	2111.5	11.3			G2/5000
FVH (80°-90°)	22.3	0.1			G1/100
BL (0°-30°)	1673.0	9.0	B3/2500		
BM (30°-60°)	2678.3	14.3	B3/5000		
BH (60°-80°)	1028.8	5.5	B3/2500		G3/2500
BVH (80°-90°)	48.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P637649

CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8
2.5°	7035.5	7049.9	7059.5	7093.1	7121.8	7147.4	7174.6	7174.6	7173.0	7168.2	7158.6
5°	6757.4	6773.3	6795.7	6842.1	6904.4	6949.2	7022.7	7029.1	7061.1	7073.9	7067.5
7.5°	6434.4	6439.2	6468.0	6528.7	6627.9	6707.8	6813.3	6826.1	6902.8	6947.6	6939.6
10°	6081.1	6065.2	6116.3	6205.8	6335.3	6469.6	6605.5	6616.7	6739.8	6824.5	6818.1
12.5°	5758.2	5759.8	5811.0	5919.7	6081.1	6247.4	6429.6	6455.2	6607.1	6715.8	6704.6
15°	5488.1	5494.4	5556.8	5679.9	5863.7	6062.0	6289.0	6312.9	6504.8	6648.6	6616.7
17.5°	5272.2	5278.6	5333.0	5473.7	5670.3	5910.1	6186.6	6210.6	6448.8	6619.9	6554.3
20°	5123.6	5120.4	5173.1	5307.4	5510.4	5771.0	6097.1	6132.3	6431.2	6631.1	6512.8
22.5°	5062.8	5061.2	5099.6	5209.9	5400.1	5663.9	6042.8	6090.7	6450.4	6680.6	6487.2
25°	5093.2	5086.8	5120.4	5201.9	5353.8	5622.3	6058.8	6109.9	6531.9	6782.9	6492.0
27.5°	5187.5	5179.5	5208.3	5281.8	5396.9	5665.5	6170.7	6229.8	6704.6	6970.0	6555.9
30°	5331.4	5326.6	5355.4	5425.7	5526.4	5809.4	6384.9	6452.0	6971.6	7260.9	6695.0
32.5°	5499.2	5491.2	5542.4	5623.9	5740.6	6071.5	6672.6	6760.5	7288.1	7635.0	6928.4
35°	5687.9	5681.5	5751.8	5870.1	6038.0	6436.0	7021.1	7117.0	7611.0	8058.6	7238.5
37.5°	5871.7	5871.7	6007.6	6183.4	6394.5	6832.5	7348.8	7409.6	7834.8	8434.3	7571.0
40°	6034.8	6044.4	6249.0	6512.8	6781.3	7190.6	7564.7	7615.8	7933.9	8693.3	7860.4
42.5°	6215.4	6223.4	6461.6	6806.9	7126.6	7479.9	7695.7	7721.3	7953.1	8822.8	8065.0
45°	6359.3	6370.5	6666.2	7035.5	7427.2	7697.3	7799.6	7822.0	7980.3	8893.1	8213.7
47.5°	6434.4	6450.4	6789.3	7219.4	7630.2	7892.4	7970.7	7980.3	8092.2	9016.2	8392.7
50°	6421.6	6453.6	6835.7	7310.5	7780.5	8089.0	8245.7	8261.7	8320.8	9196.8	8602.2
52.5°	6535.1	6549.5	6934.8	7419.2	7994.7	8451.9	8723.7	8746.0	8718.9	9332.7	8726.8
55°	6346.5	6415.2	6811.7	7403.2	8320.8	9013.0	9431.8	9420.6	9080.1	9484.6	8934.7
57.5°	5133.2	5233.9	5596.8	6284.2	7783.7	9406.3	9961.0	9933.8	9359.9	9601.3	9160.1
60°	3553.7	3569.7	3897.4	4385.0	6007.6	8309.6	9805.9	9865.1	9411.1	9454.2	8742.8
62.5°	2842.3	2837.5	2867.9	2880.7	3820.7	5841.3	7740.5	7956.3	7818.8	7366.4	6196.2
65°	2426.7	2444.3	2533.8	2487.4	2493.8	3290.0	4624.8	4655.2	4559.3	4396.2	3277.2
67.5°	1899.2	1929.5	2087.8	2268.4	2210.9	2118.2	2399.5	2385.1	1880.0	1454.7	1202.2
70°	1189.4	1208.6	1378.0	1780.9	1924.7	1739.3	1542.7	1536.3	1007.1	828.1	908.0
72.5°	693.8	697.0	745.0	992.7	1277.3	1189.4	1135.0	1093.5	647.4	660.2	724.2
75°	382.1	382.1	380.5	428.4	503.6	446.0	431.6	420.4	433.2	490.8	538.7
77.5°	79.9	81.5	86.3	113.5	147.1	179.0	225.4	227.0	283.0	327.7	366.1
80°	36.8	38.4	48.0	60.7	78.3	103.9	137.5	139.1	171.1	206.2	231.8
82.5°	19.2	20.8	25.6	32.0	41.6	54.4	76.7	76.7	102.3	121.5	137.5
85°	6.4	6.4	9.6	12.8	17.6	22.4	30.4	30.4	44.8	59.1	68.7
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.4	6.4	8.0	9.6	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637649

CATALOG NUMBER: GWS-SA4D-730-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8	7169.8
2.5°	7137.8	7088.3	7089.9	7099.5	7069.1	7022.7	6992.3	6954.0	6930.0	6925.2	6942.8
5°	7035.5	6978.0	6938.0	6896.4	6810.1	6707.8	6627.9	6562.3	6519.2	6503.2	6484.0
7.5°	6894.8	6819.7	6719.0	6602.3	6445.6	6263.4	6135.5	6015.6	5932.5	5908.5	5897.3
10°	6754.2	6645.4	6466.4	6249.0	5988.4	5742.2	5510.4	5333.0	5192.3	5112.4	5138.0
12.5°	6608.7	6474.4	6194.6	5860.5	5497.6	5126.8	4823.0	4528.9	4301.9	4188.4	4154.8
15°	6480.8	6298.5	5908.5	5456.1	4973.3	4506.5	4066.9	3625.7	3337.9	3181.2	3138.1
17.5°	6372.1	6135.5	5606.3	5043.6	4466.5	3801.5	3261.2	2851.9	2655.3	2569.0	2562.6
20°	6265.0	5975.6	5307.4	4599.2	3881.4	3136.5	2653.7	2461.9	2391.5	2361.2	2359.6
22.5°	6169.1	5807.8	4992.5	4154.8	3299.5	2636.1	2370.7	2287.6	2268.4	2268.4	2265.2
25°	6087.5	5639.9	4669.6	3683.2	2773.6	2346.8	2223.7	2188.5	2196.5	2210.9	2212.5
27.5°	6054.0	5508.8	4357.8	3198.8	2410.7	2178.9	2123.0	2118.2	2140.5	2162.9	2166.1
30°	6089.1	5419.3	4038.1	2735.2	2193.3	2076.6	2051.0	2060.6	2087.8	2110.2	2110.2
32.5°	6197.8	5374.5	3712.0	2396.3	2067.0	2004.7	1996.7	2006.3	2027.0	2039.8	2041.4
35°	6381.7	5392.1	3374.7	2167.7	1985.5	1951.9	1950.3	1956.7	1964.7	1972.7	1974.3
37.5°	6613.5	5470.5	3013.4	2035.0	1932.7	1913.5	1910.3	1908.7	1910.3	1910.3	1911.9
40°	6840.5	5588.8	2690.5	1956.7	1896.0	1880.0	1872.0	1860.8	1859.2	1856.0	1854.4
42.5°	7008.3	5679.9	2433.1	1900.8	1862.4	1843.2	1833.6	1816.0	1814.4	1812.8	1811.2
45°	7134.6	5756.6	2218.9	1846.4	1827.2	1809.6	1788.9	1772.9	1776.1	1779.3	1779.3
47.5°	7276.9	5823.8	2062.2	1795.2	1784.1	1766.5	1740.9	1729.7	1740.9	1752.1	1752.1
50°	7449.6	5918.1	1934.3	1744.1	1739.3	1718.5	1696.1	1691.3	1704.1	1720.1	1720.1
52.5°	7575.8	5999.6	1843.2	1692.9	1692.9	1665.8	1646.6	1645.0	1659.4	1675.4	1676.9
55°	7812.4	6189.8	1811.2	1633.8	1627.4	1606.6	1592.2	1581.0	1598.6	1613.0	1613.0
57.5°	8079.4	6442.4	1819.2	1549.1	1541.1	1534.7	1523.5	1510.7	1515.5	1531.5	1533.1
60°	7513.5	5953.2	1731.3	1464.3	1459.5	1456.3	1442.0	1419.6	1426.0	1438.8	1440.4
62.5°	5248.3	3956.6	1400.4	1358.8	1374.8	1373.2	1354.0	1328.5	1330.0	1347.6	1347.6
65°	2724.0	2140.5	1229.3	1262.9	1286.9	1277.3	1245.3	1222.9	1219.7	1242.1	1237.3
67.5°	1175.0	1168.6	1119.0	1162.2	1187.8	1167.0	1133.4	1096.7	1099.8	1107.8	1101.4
70°	946.4	975.2	995.9	1042.3	1063.1	1024.7	987.9	967.2	949.6	948.0	936.8
72.5°	756.1	796.1	842.5	890.4	896.8	858.5	812.1	792.9	765.7	764.1	752.9
75°	569.1	602.7	639.4	677.8	677.8	641.0	610.7	601.1	569.1	559.5	549.9
77.5°	388.5	409.2	438.0	447.6	457.2	442.8	412.4	396.5	359.7	350.1	337.3
80°	244.6	259.0	276.6	283.0	292.5	275.0	251.0	233.4	207.8	199.8	193.4
82.5°	147.1	156.7	167.9	171.1	179.0	166.3	143.9	131.1	116.7	110.3	105.5
85°	75.1	79.9	86.3	87.9	86.3	73.5	65.5	59.1	49.6	48.0	44.8
87.5°	19.2	22.4	24.0	22.4	20.8	16.0	11.2	8.0	3.2	3.2	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)